

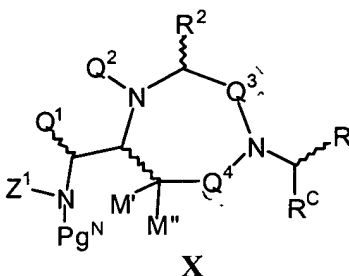
IN THE CLAIMS:

Claim 73 (canceled).

Claim 108 (currently amended): A library of peptide mimetics comprising at least one mimetic from Claim 113.

Claims ~~74-94~~ (canceled).

1.126
109
Claim 113 (new): A general mimetic of the structure



wherein:

~~~~ indicates a bond at a chiral centre of the structure which centre may be in the R or S configuration or a mixture thereof;

R and R<sup>2</sup> is an amino acid side chain group which may be the same or different;

M' and M'' may be the same or different and are selected from the group consisting of hydrogen, C<sub>1</sub>-C<sub>4</sub> alkyl, chloro and C<sub>1</sub>-C<sub>4</sub> alkoxy;

Z' is selected from the group consisting of hydrogen, methyl and part of a cyclic amino acid sidechain joined to Q<sup>1</sup>

Pg<sup>N</sup> is a protecting group for amine;

R<sup>C</sup> is selected from the group consisting of a carboxy terminal part of the mimetic, hydrogen, R, and CH<sub>2</sub>R;

$Q^1 = R^1$  which has the same definition as R and  $R^2$  above and  $Q^2 = Z$  where Z is selected from the group consisting of hydrogen, methyl, ethyl, formyl and acetyl,  $-CH_2R$ , and  $C(O)R$  or alternatively Z is part of a cyclic amino acid sidechain group joined to  $R^2$ ; or  $Q^1$  and  $Q^2$  taken together represent a cyclic group;

$Q^3$  is selected from the group consisting of  $C(O)$  and  $CH_2$ ,  $-C(O)N(Q^5)CH(R)C(O)-$ ,  $-C(O)N(Q^5)CH(R)CH_2-$  wherein  $Q^5$  is a covalent bond from the  $Q^4$  group to the nitrogen atom in  $Q^3$  to form a bicyclic ring system;

$Q^4$  is selected from the group consisting of  $CH(M')$ ,  $C(O)$ ,  $CH(Q^5)CH_2$  and  $CH(Q^5)C(O)$ ; with the provisos that when:-

- (i)  $Q^3$  is  $C(O)$ , then  $Q^4 = CH(M')$ ;  
(ii)  $Q^3$  is  $CH_2$ , then  $Q^4 = C(O)$ ;  
(iii)  $Q^3$  is  $-C(O)N(Q^5)CH(R)C(O)-$ , then  $Q^4 = CH(Q^5)CH_2$ ;  
(iv)  $Q^3$  is  $-C(O)N(Q^5)CH(R)CH_2-$ , then  $Q^4 = CH(Q^5)C(O)$ ;

where  $Q^5$  is a covalent bond from the  $Q^4$  group to the nitrogen atom in  $Q^3$  which is a cyclization forming a bicyclic ring system.

110  
1.126  
Claim 114 (new): A peptide mimetic as claimed in claim 113 wherein when  $Q^1$  and  $Q^2$  form a cyclic group  $Q^1Q^2$  which is selected from the group consisting of  $-CH(R)C(O)-$ ,  $-CH_2CH(R)C(O)-$ ,  $-CH_2CH_2CH(R)C(O)-$ ,  $-CH(R)CH_2-$ ,  $-CH_2CH(R)CH_2-$ ,  $-CH_2CH_2CH(R)CH_2-$ ,  $-CH_2CH(R)-$ ,  $-CH_2CH_2CH(R)-$ ,  $-CH(R)CH_2CH_2-$ ,  $-CH_2CH(R)CH_2CH_2-$ ,  $-CH(R)CH_2C(O)-$  and  $-CH_2CH(R)CH_2C(O)-$ .

111  
Claim 115 (new): A peptide mimetic as claimed in Claim 113 wherein  $Q^1$  is R,  $Q^2$  is Z,  $Q^3$  is  $C(O)$  or  $CH_2$ .

112  
Claim 116 (new): A peptide mimetic as claimed in Claim 113 wherein  $Q^1$  is R,  $Q^2$  is Z,  $Q^3$  is -C(O)N( $Q^5$ )CH(R)C(O)- or -C(O)N( $Q^5$ )CH(R)CH<sub>2</sub>-.

113  
Claim 117 (new): A peptide mimetic as claimed in Claim 113 wherein  $Q^1$  is CH(R)C(O) $Q^2$ ,  $Q^1Q^2$ - forms a cyclic group -CH(R)C(O)- $Q^2$ ,  $Q^3$  is C(O) or CH<sub>2</sub>.

114  
Claim 118 (new): A peptide mimetic as claimed in Claim 113 wherein  $Q^1$  is CH<sub>2</sub>CH(R)C(O) $Q^2$ ,  $Q^1Q^2$ - forms a cyclic group -CH<sub>2</sub>CH(R)C(O)-,  $Q^3$  is C(O) or CH<sub>2</sub>.

115  
Claim 119 (new): A peptide mimetic as claimed in Claim 113 wherein  $R^C$  is C(O)Pg<sup>C</sup> where Pg<sup>C</sup> is a protecting group for carboxylic acid.

116  
Claim 120 (new): A peptide mimetic as claimed in Claim 119 wherein Pg<sup>C</sup> is selected from the group consisting of alkoxy, benzyloxy, allyloxy, fluorenylmethyloxy amines forming easily removable amides, a cleavable linker to a solid support, the solid support, hydroxy, NHR, OR, R or the remaining C-terminal portion of the mimetic.

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cont'd  
Claim 121 (new): A peptide mimetic as claimed in Claim 113 wherein Pg<sup>N</sup> is selected from a group consisting of Boc, Cbz, Alloc, trityl, a cleavable linker to a solid support, the solid support, the solid support, hydrogen, R, C(O)R or part of the remaining N-terminal portion of the mimetic.

118  
Claim 122 (new): A peptide mimetic as claimed in Claim 113 wherein M' or M'' is methoxy.

119  
Claim 123 (new): A peptide mimetic as claimed in Claim 113 wherein M' or M'' is methyl.

120  
Claim 124 (new): A peptide mimetic as claimed in Claim 113 wherein  $Q^1$  is R<sup>1</sup>,  $Q^2$  is hydrogen,  $Q^3$  is C(O), Z<sup>1</sup>=H and  $R^C$  is C(O)Pg<sup>C</sup>.

121  
Claim 125 (new): A peptide mimetic as claimed in Claim 124 where  $R^1$  and  $R^2 \neq H$ .

122  
Claim 126 (new): A peptide mimetic as claimed in Claim 113 wherein  $Q^1$  is  $R^1$ ,  $Q^2$  is hydrogen,  $Q^3$  is  $CH_2$ ,  $Z^1=H$  and  $R^C$  is  $C(O)Pg^C$ .

123  
Claim 127 (new): A peptide mimetic as claimed in Claim 126 where  $R^1$  and  $R^2 \neq H$ .

124  
Claim 128 (new): A peptide mimetic as claimed in Claim 113 wherein  $Q^1$  is  $R^1$ ,  $Q^2$  is hydrogen,  $Q^3$  is  $-C(O)N(Q^5)CH(R)C(O)-$ ,  $Z^1=H$  and  $R^C$  is  $C(O)Pg^C$ .

125  
Claim 129 (new): A peptide mimetic as claimed in Claim 113 wherein  $Q^1$  is  $R^1$ ,  $Q^2$  is hydrogen,  $Q^3$  is  $-C(O)N(Q^5)CH(R)CH_2-$ ,  $Z^1=H$  and  $R^C$  is  $C(O)Pg^C$ .

126  
Claim 130 (new): A peptide mimetic as claimed in Claim 114 wherein  $Q^1Q^2$  is  $-CH(R^2)C(O)-$ ,  $Q^3$  is  $C(O)$ ,  $Z^1=R^1$  and  $R^C$  is  $C(O)Pg^C$ .

127  
Claim 131 (new): A peptide mimetic as claimed in Claim 114 wherein  $Q^1Q^2$  is  $-CH(R^2)C(O)-$ ,  $Q^3$  is  $CH_2$ ,  $Z^1=R^1$  and  $R^C$  is  $C(O)Pg^C$ .

128  
Claim 132 (new): A peptide mimetic as claimed in Claim 114 wherein  $Q^1Q^2$  is  $-CH_2CH(R^2)C(O)-$ ,  $Q^3$  is  $C(O)$ ,  $Z^1=R^1$  and  $R^C$  is  $C(O)Pg^C$ .

129  
Claim 133 (new): A peptide mimetic as claimed in Claim 114 wherein  $Q^1Q^2$  is  $-CH_2CH(R^2)C(O)-$ ,  $Q^3$  is  $CH_2$ ,  $Z^1=R^1$  and  $R^C$  is  $C(O)Pg^C$ .